

**Fig. 1**

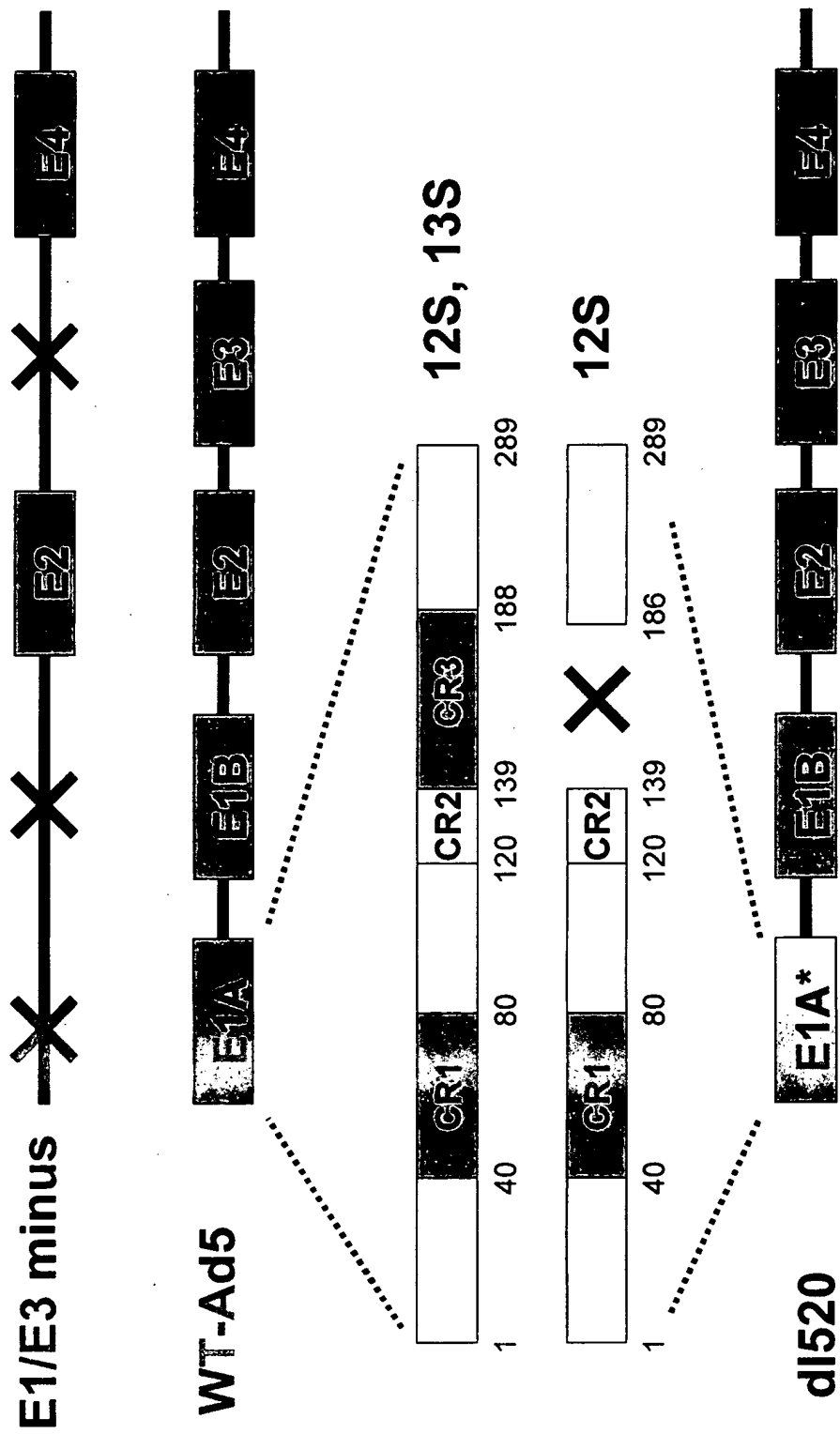


Fig. 2

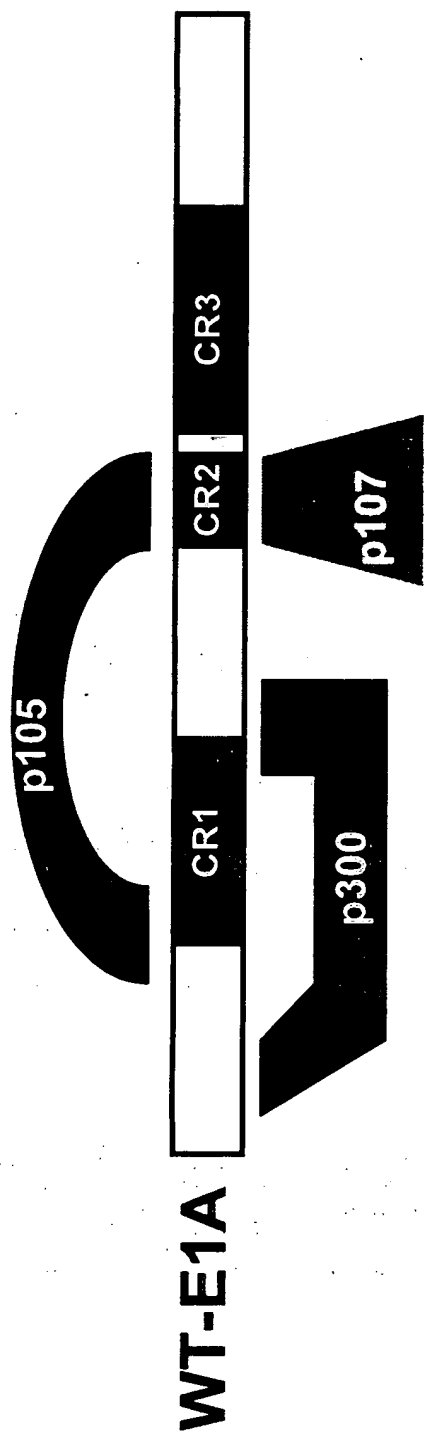


Fig. 3

E1/E3-minus Ad5

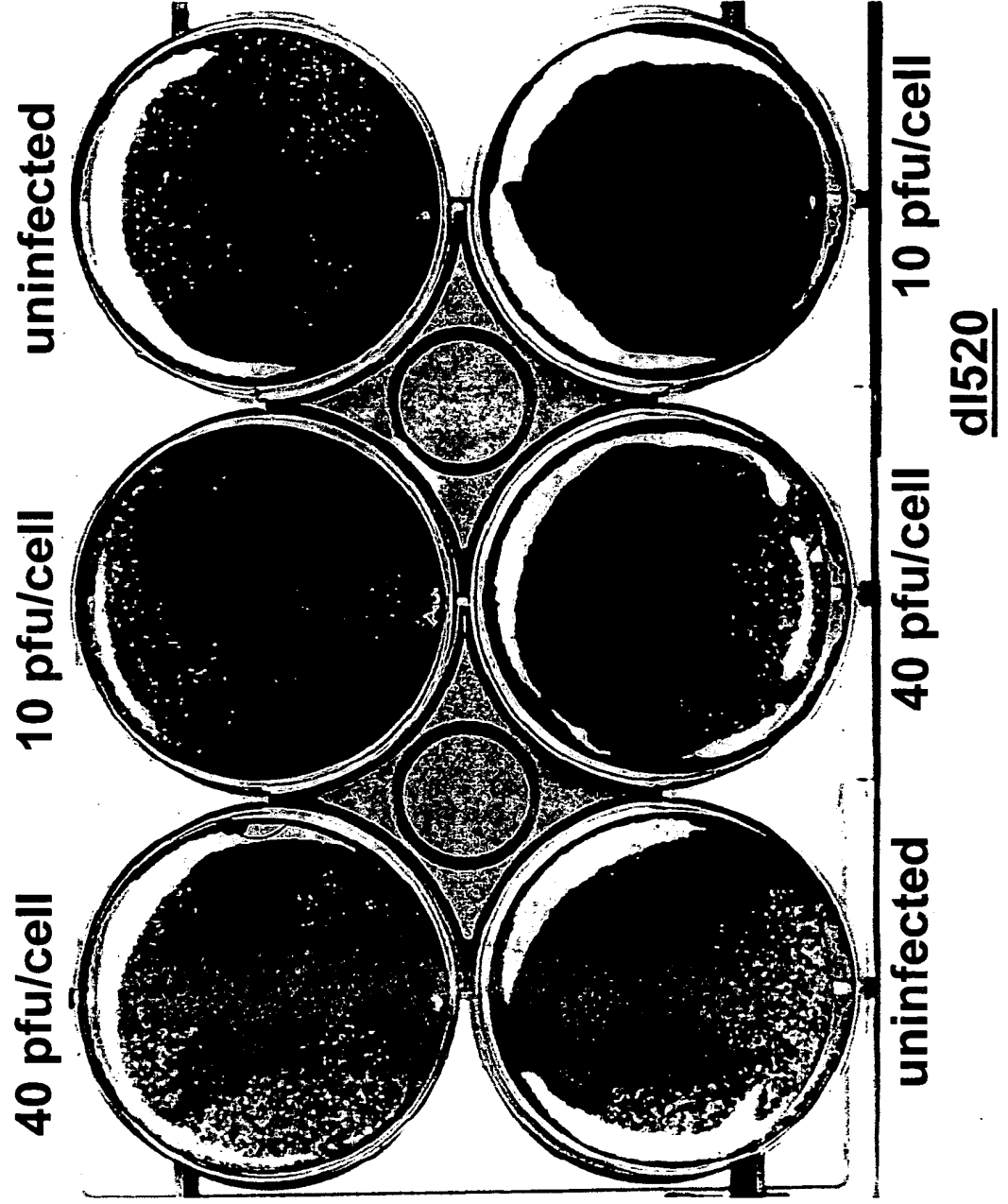
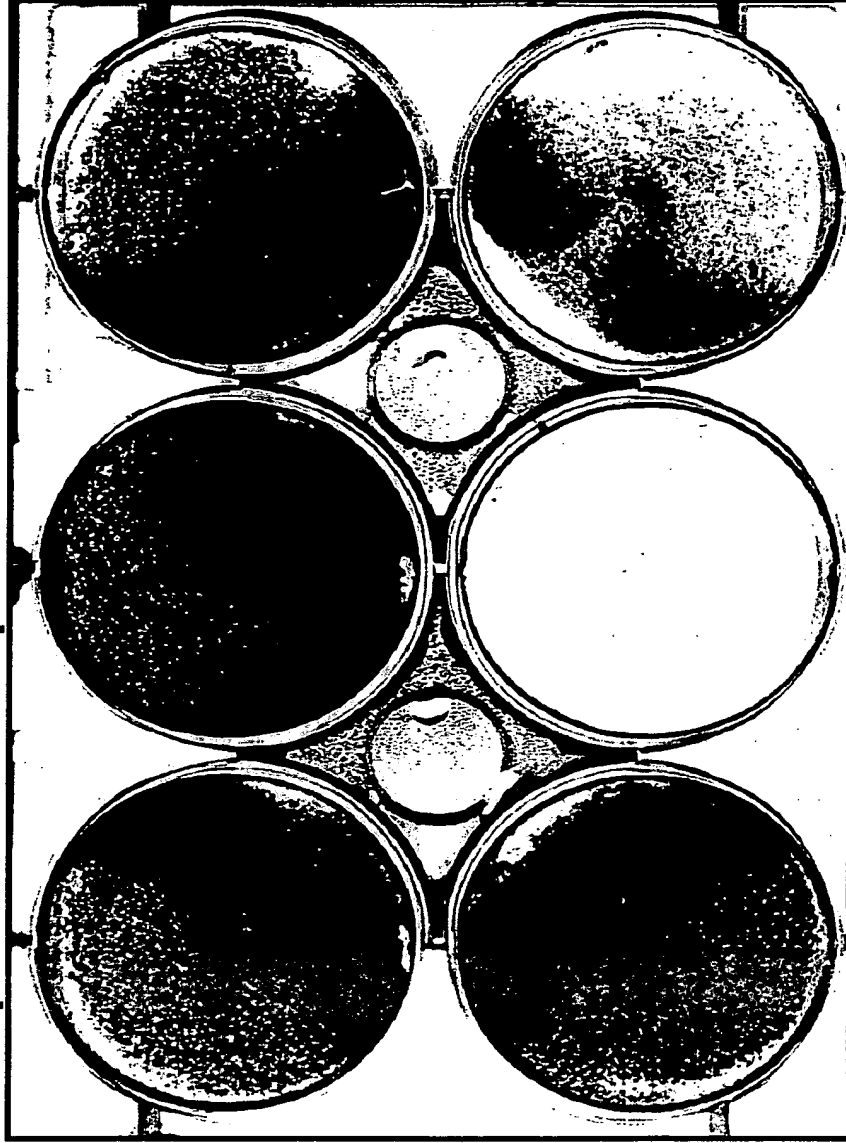


Fig. 4

E1/E3-minus Ad5

40 pfu/cell      10 pfu/cell      uninfected



uninfected      40 pfu/cell      10 pfu/cell

dl520

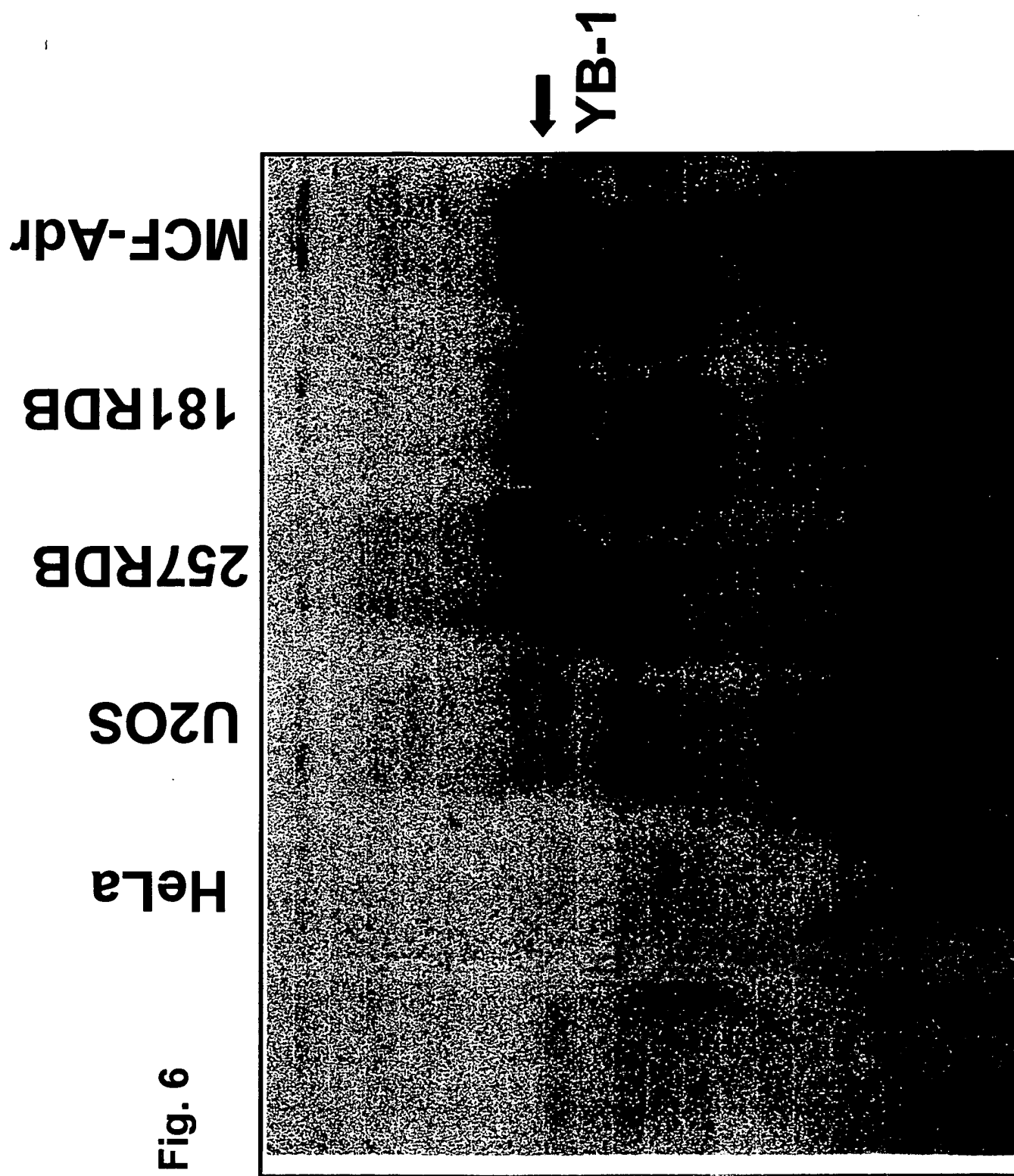
**Fig. 5**

**not infected 20 pfu/cell**



**257RDB**

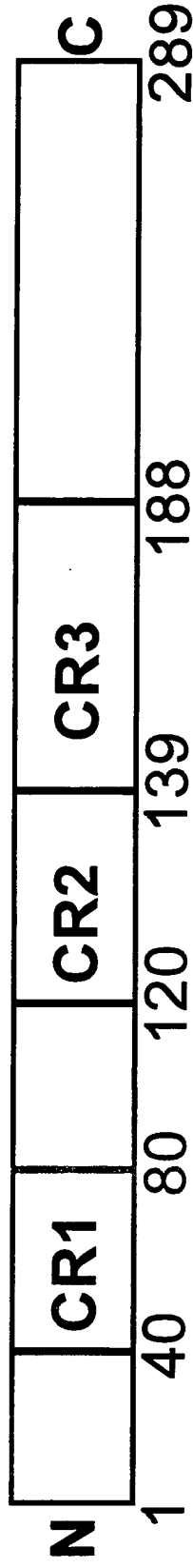
**U2OS**



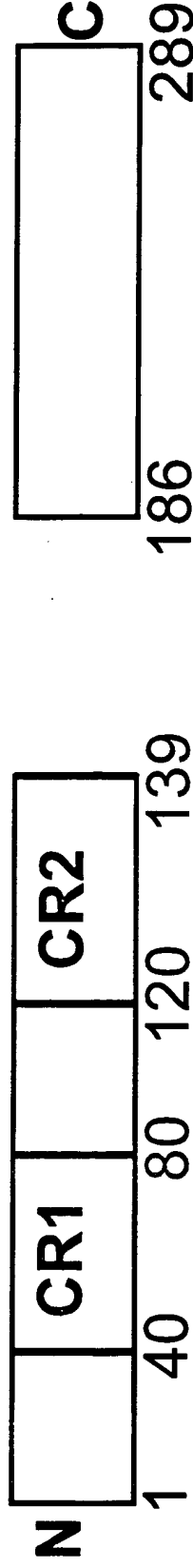
**Fig. 6**

Fig. 7

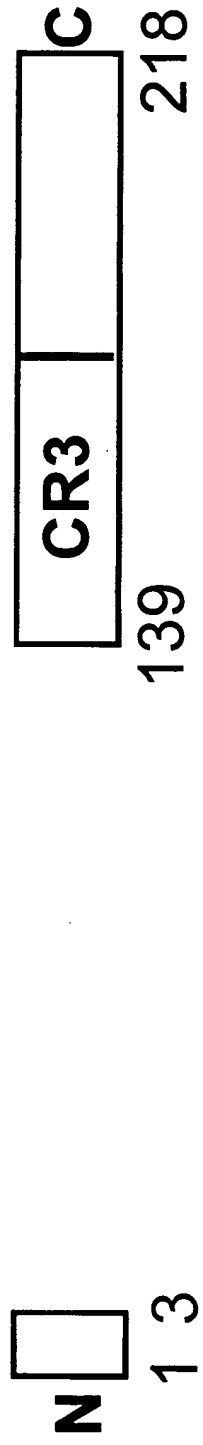
WT-AD5



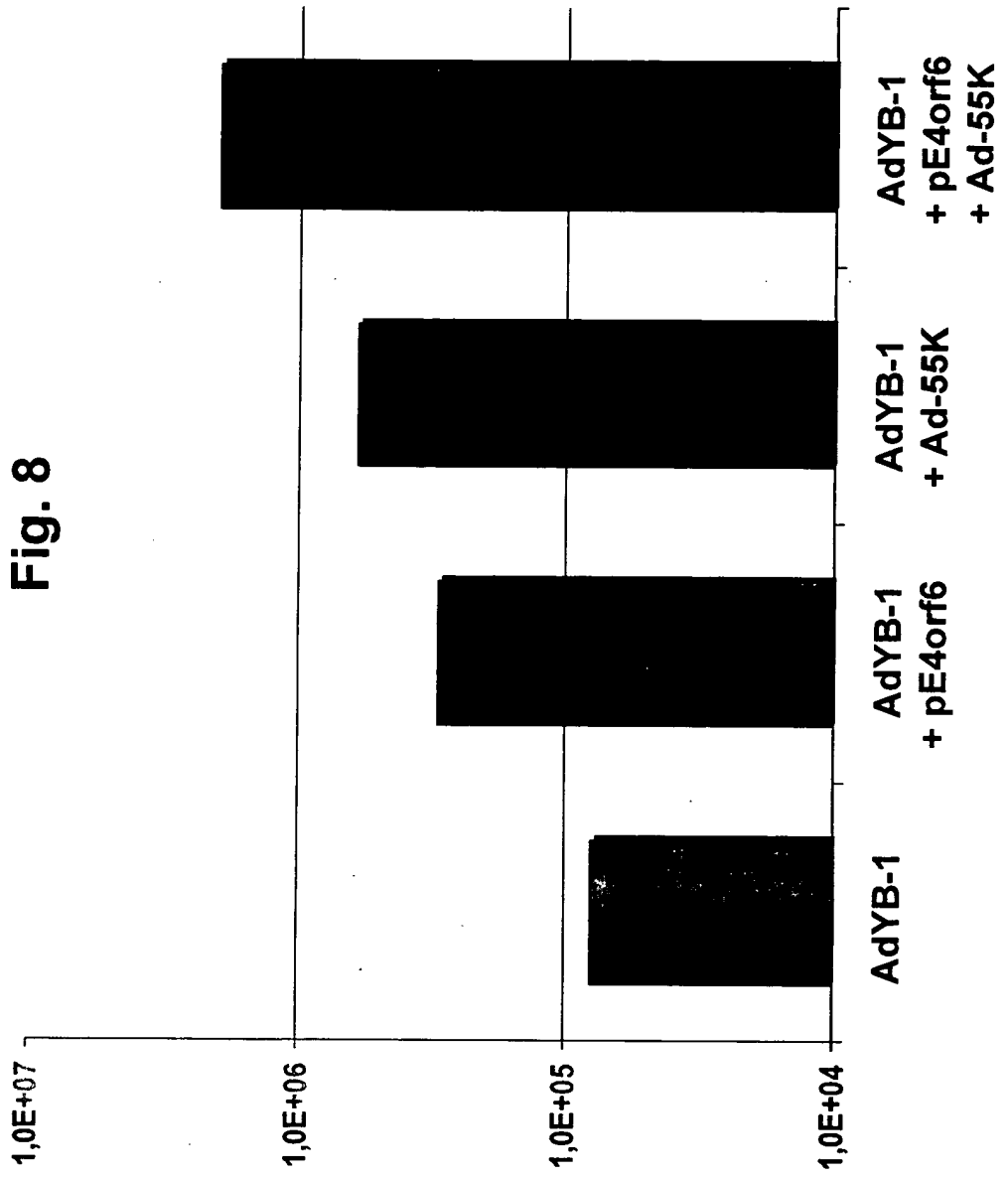
dl520



dl1119/1131



pfu/ml





**fold** **Fig. 9**

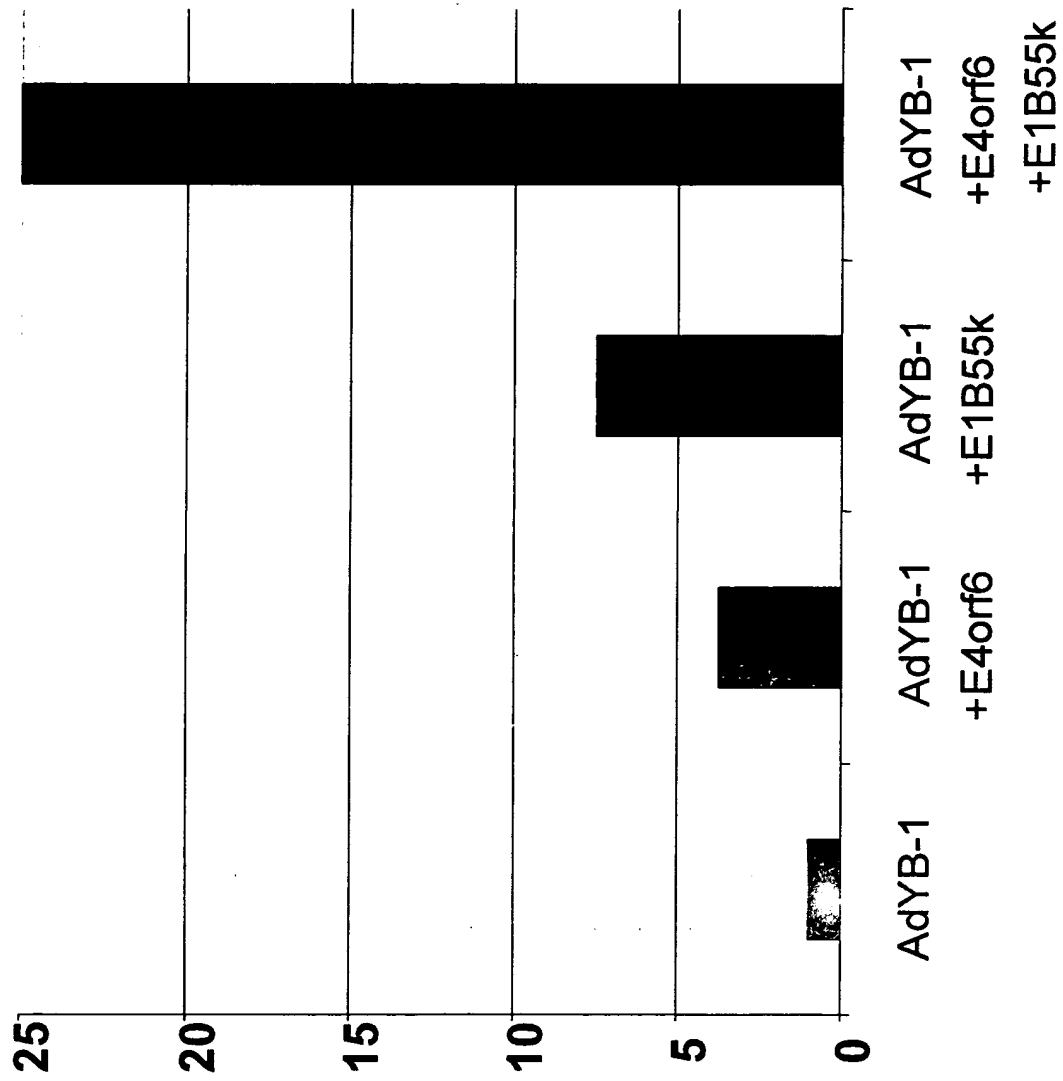
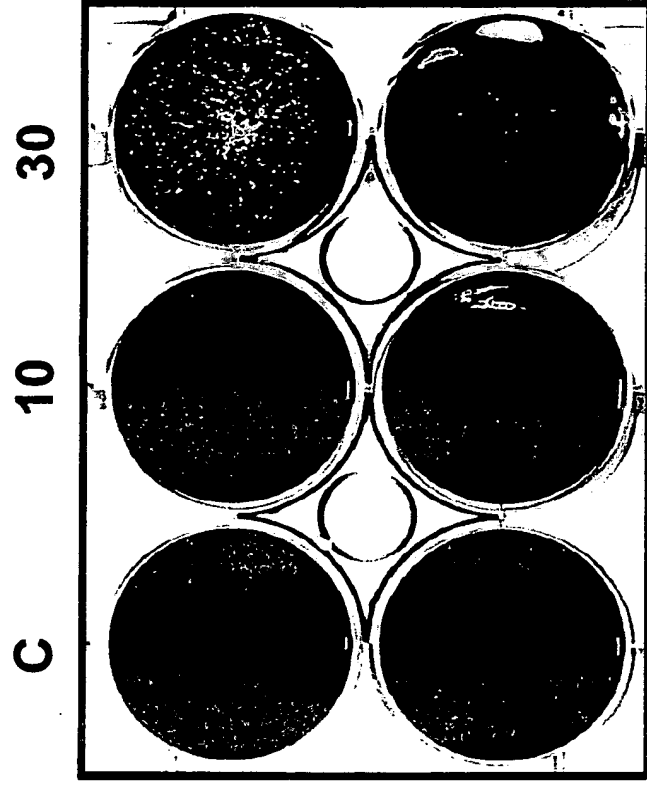


Fig. 10

Control:  
No daunorubicin



daunorubicin:  
40 ng/ml

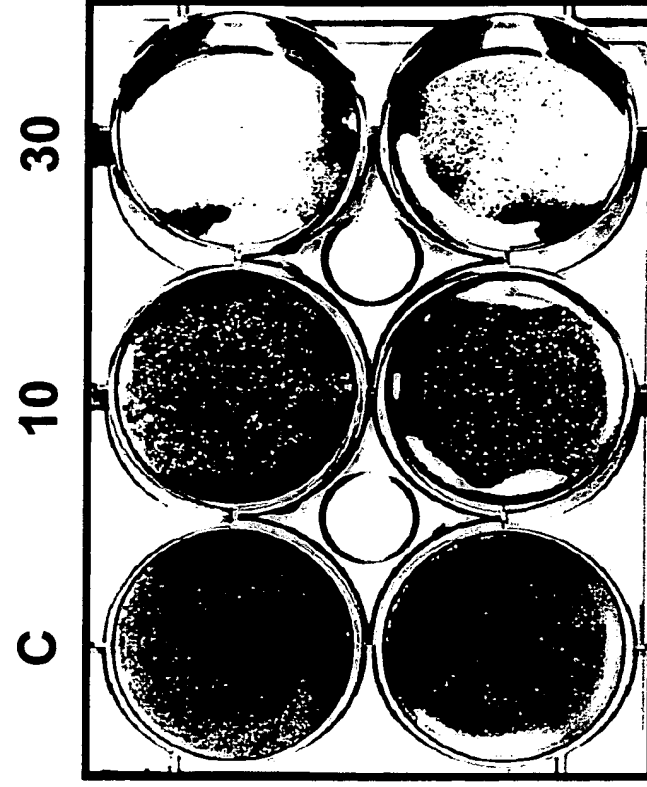
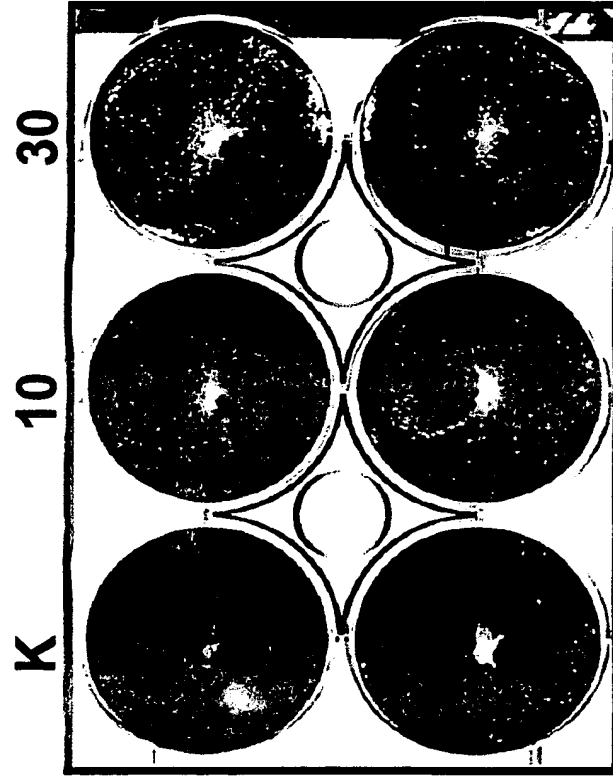


Fig. 11

Control:  
No daunorubicin



daunorubicin:  
40 ng/ml

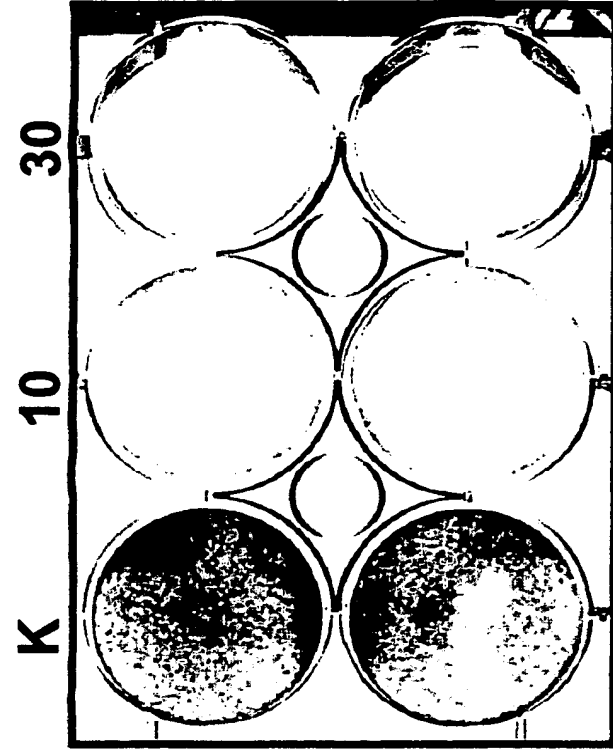


Fig. 12

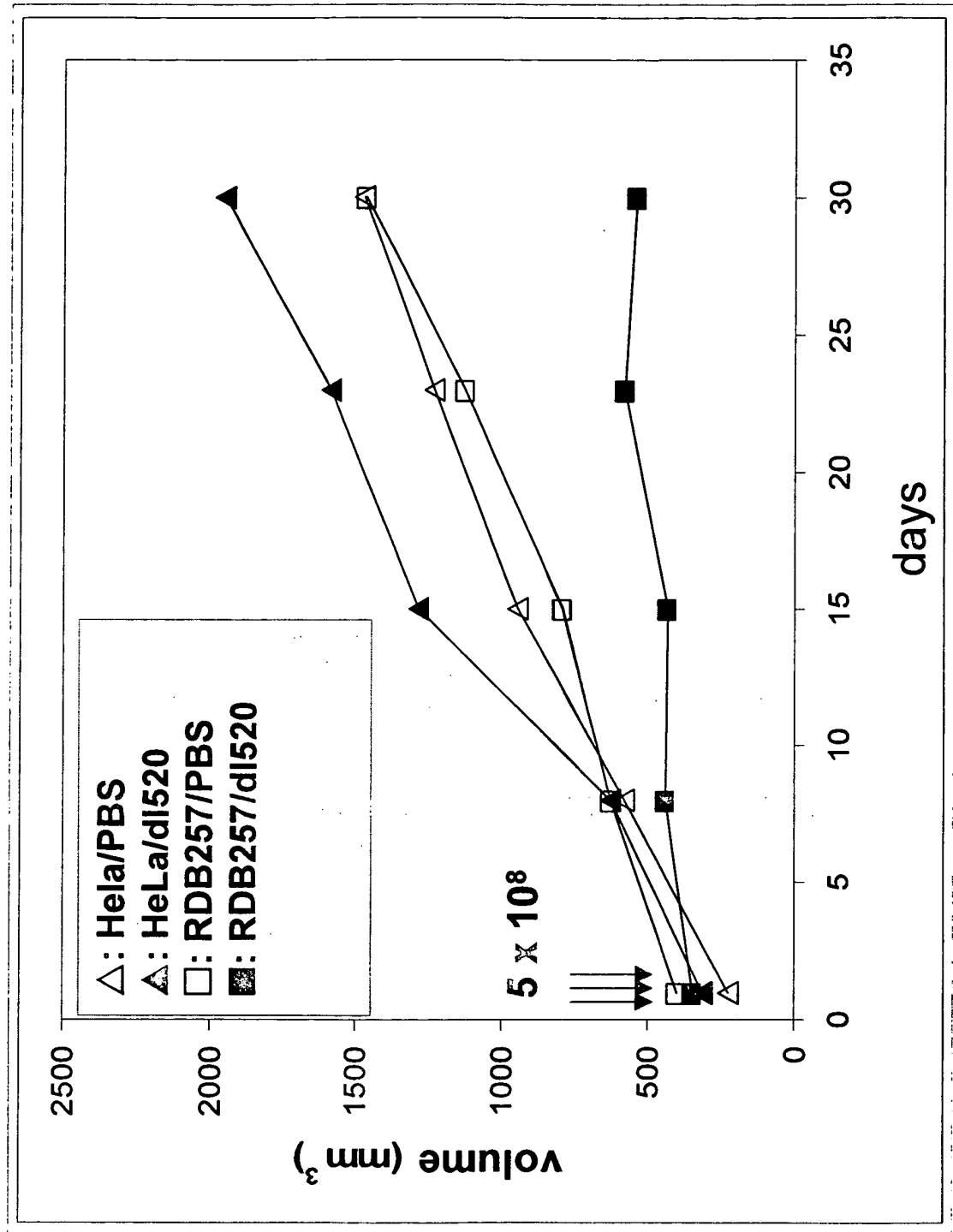
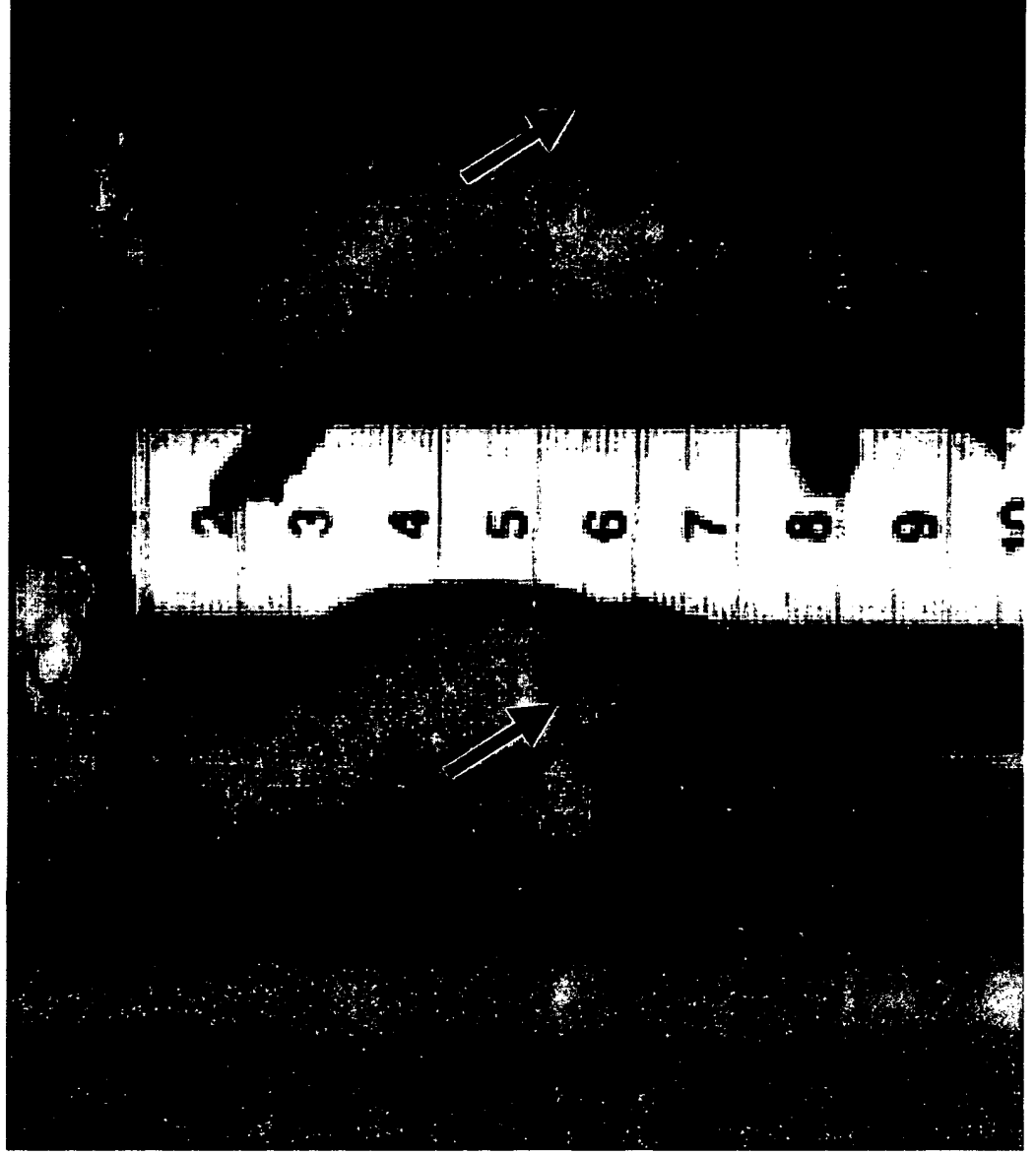


Fig. 13

PBS

$5 \times 10^8$  dI520



**Fig. 14**

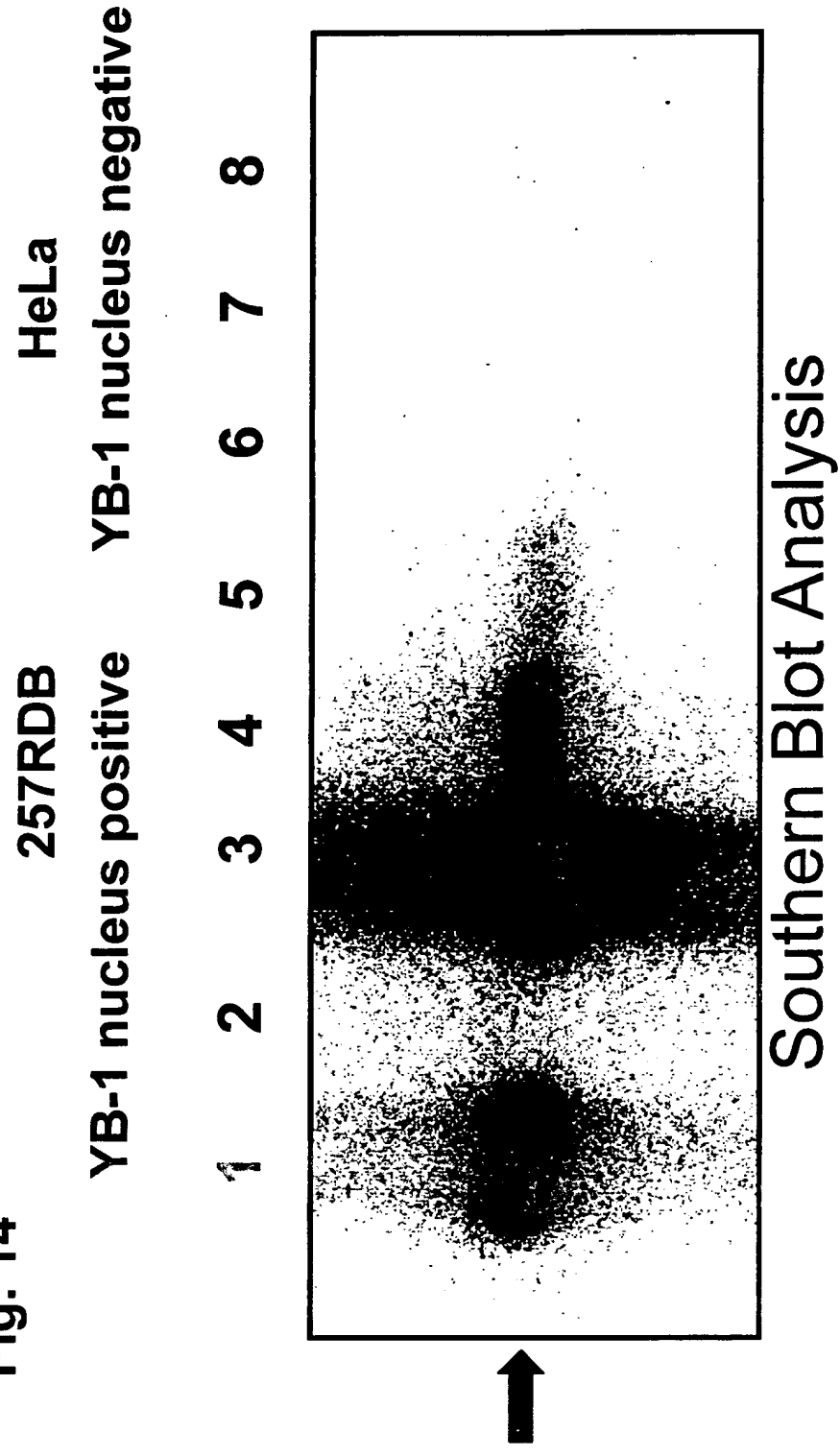


Fig. 15

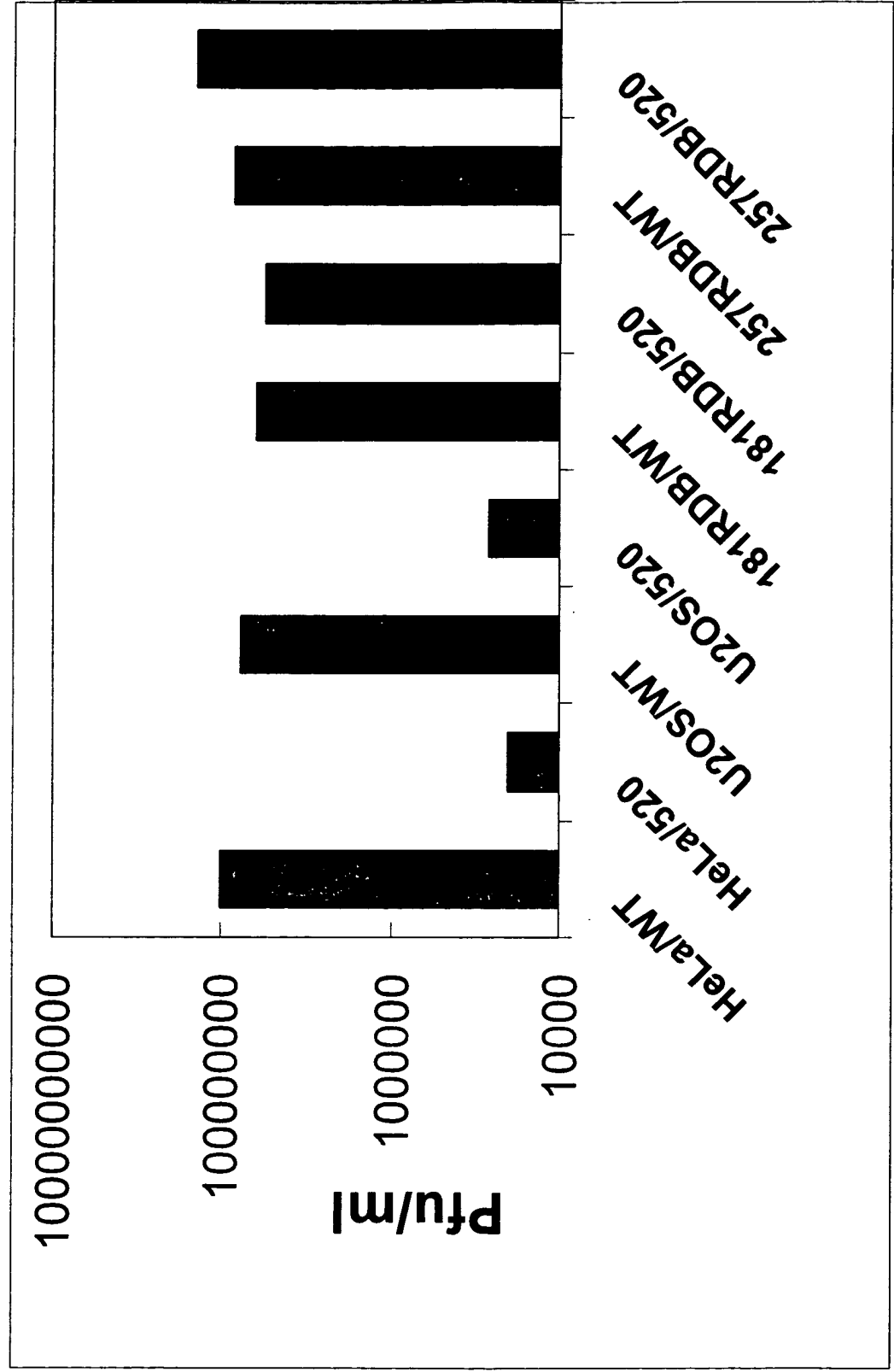
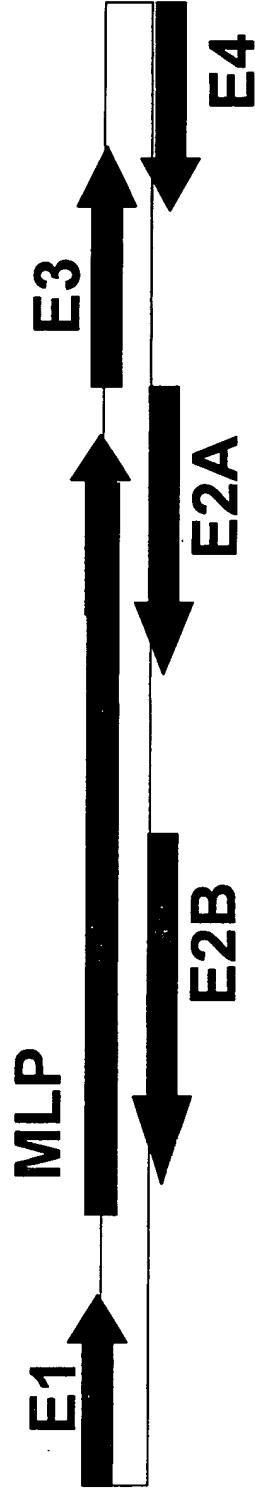


Fig. 16

Wildtype Adenovirus



Xvir03

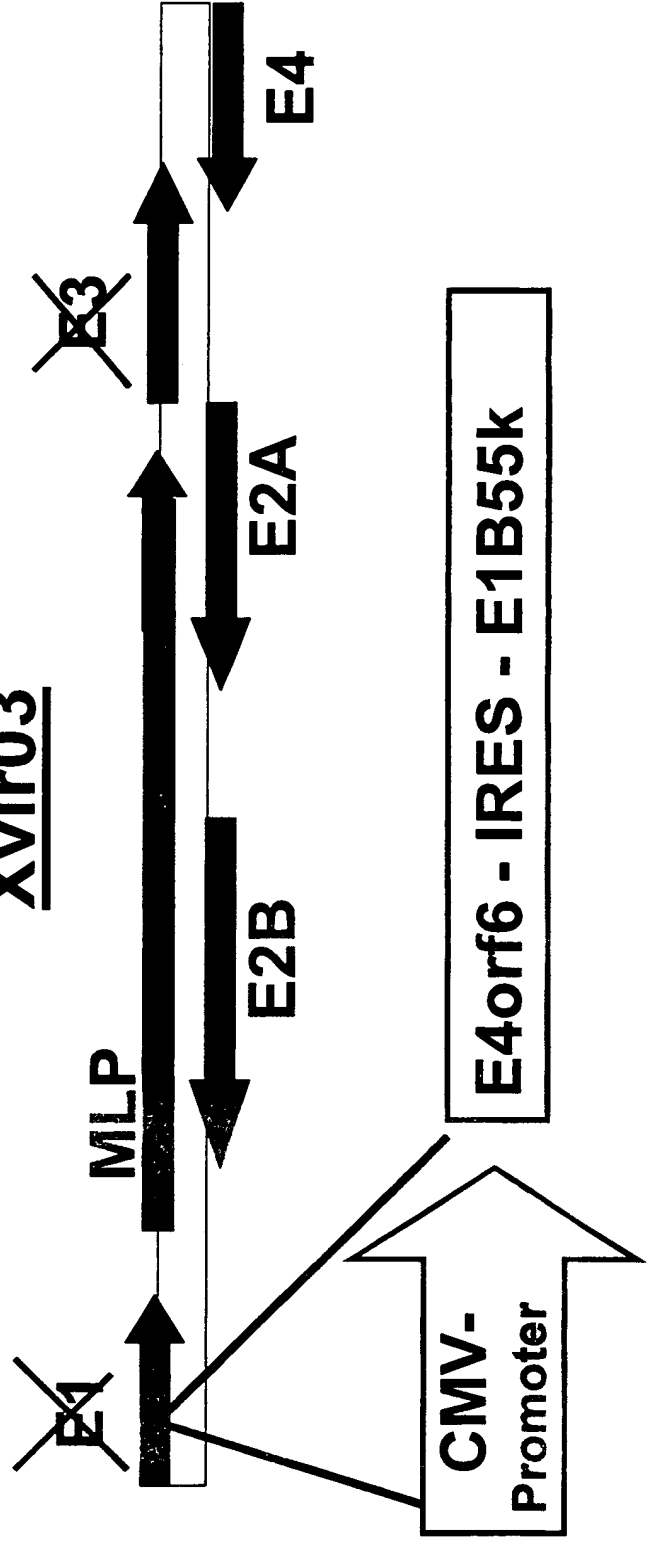




Fig. 17

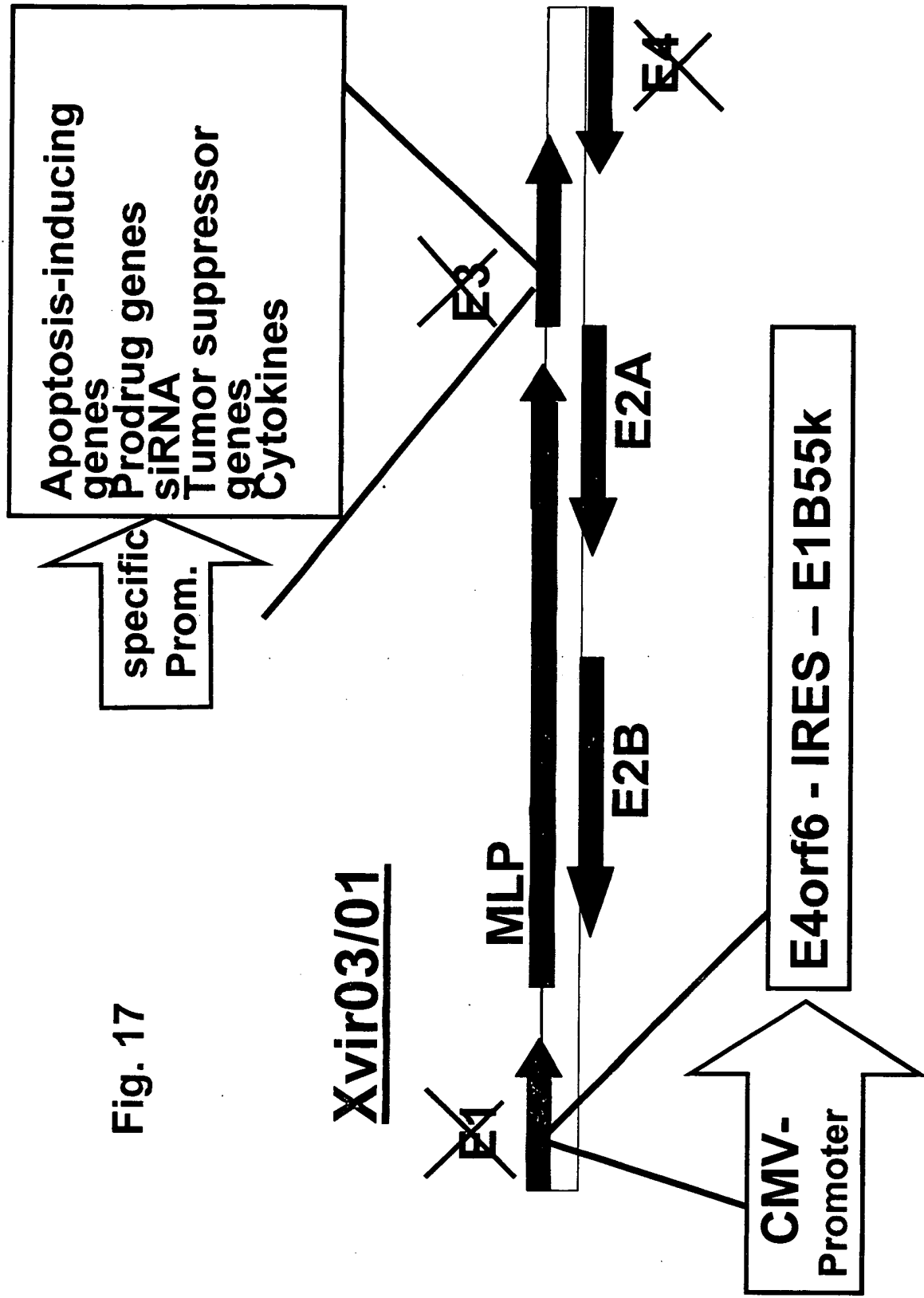
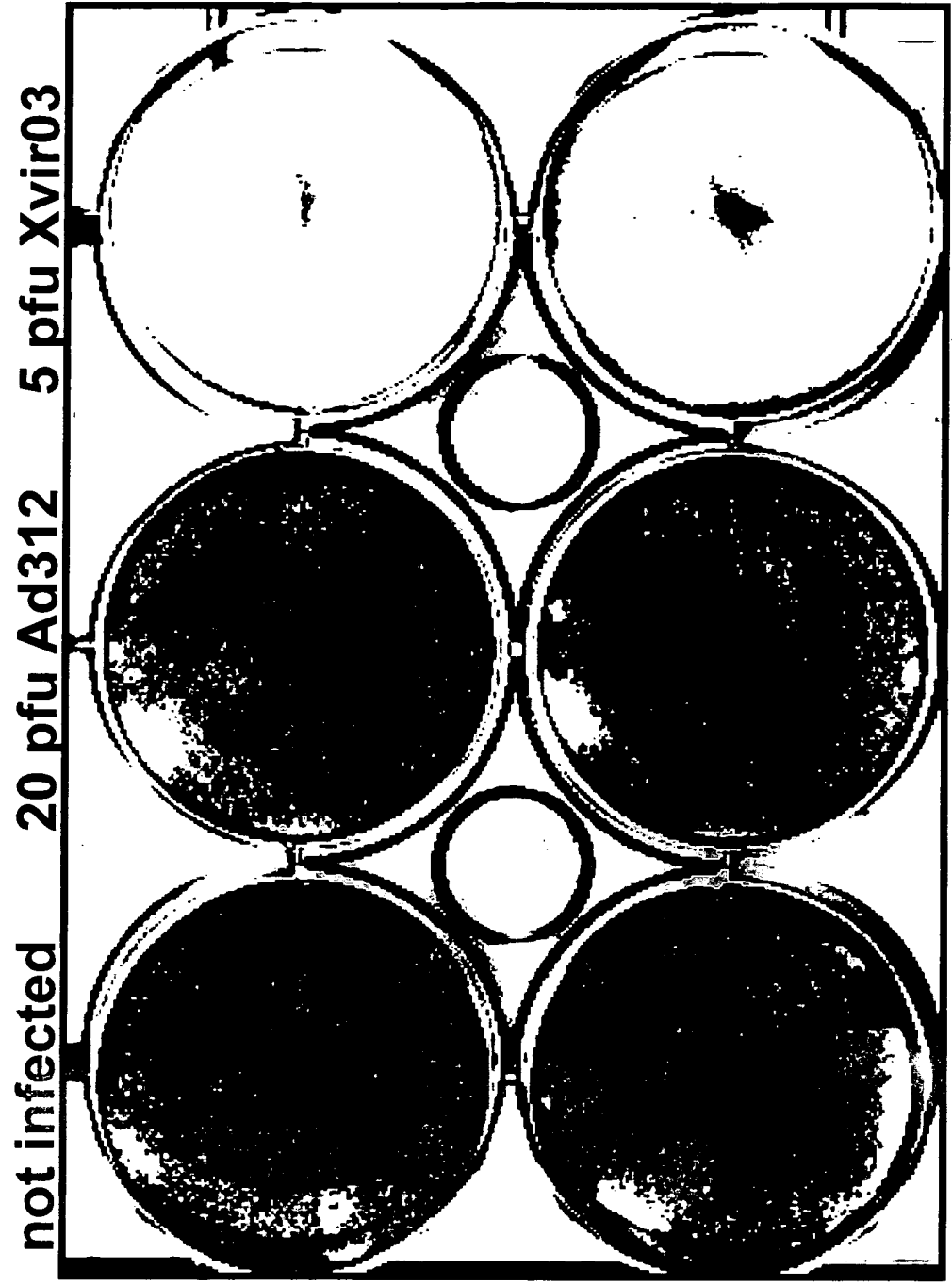
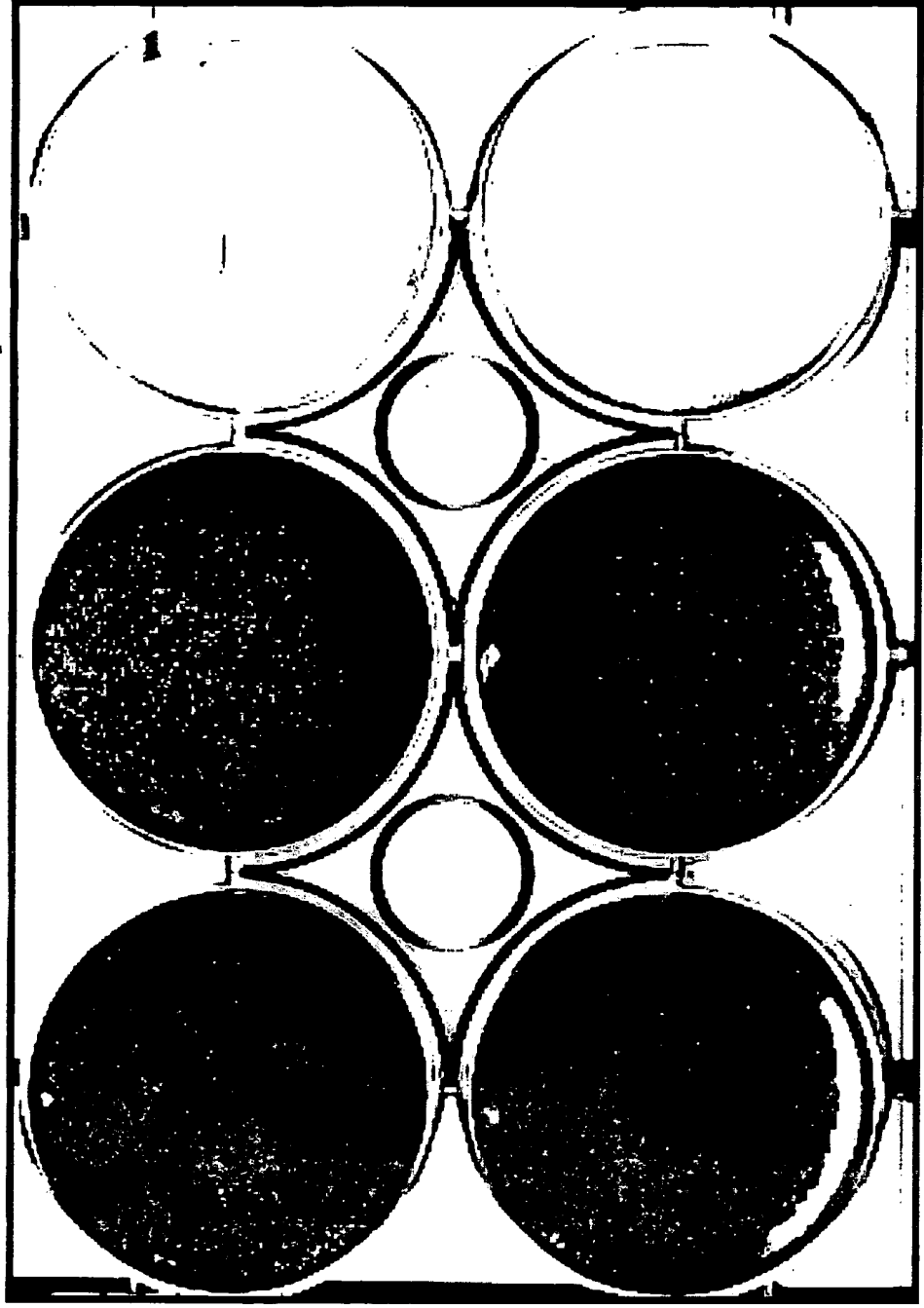


Fig. 18A



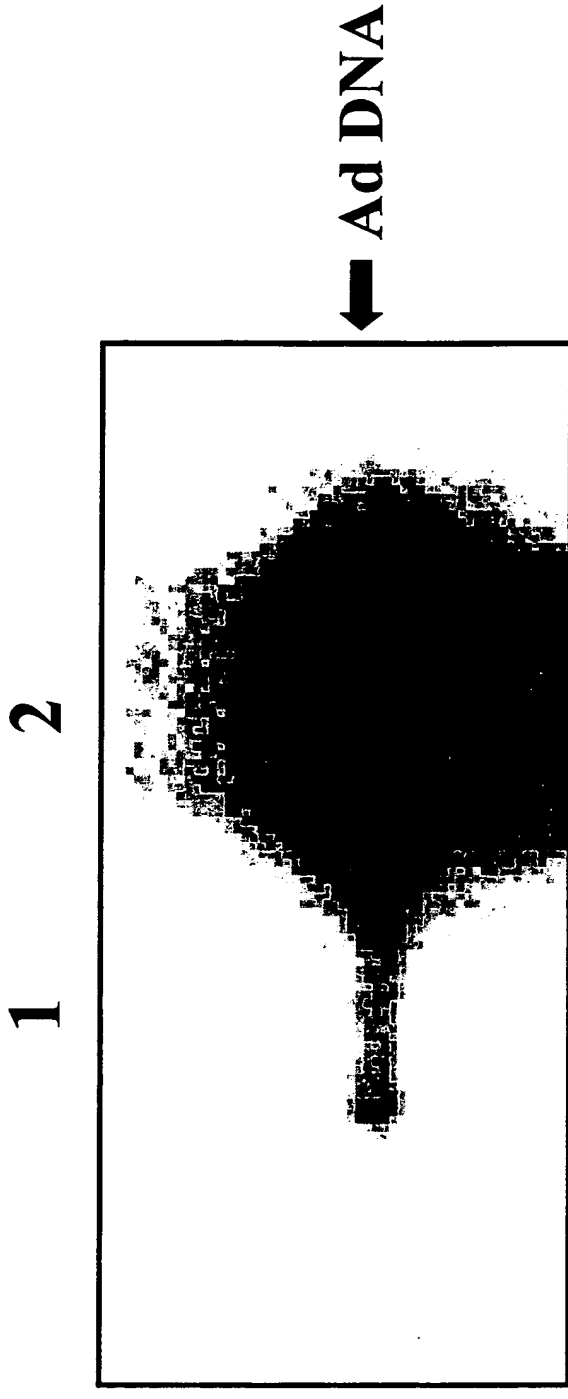
**Fig. 18B**

**not infected      20 pfu Ad312      5 pfu Xvir03**



**U373 cells infected with 10 pfu dl520/cell  
after incubation with 5 $\mu$ M Irinotecan for  
24 hours**

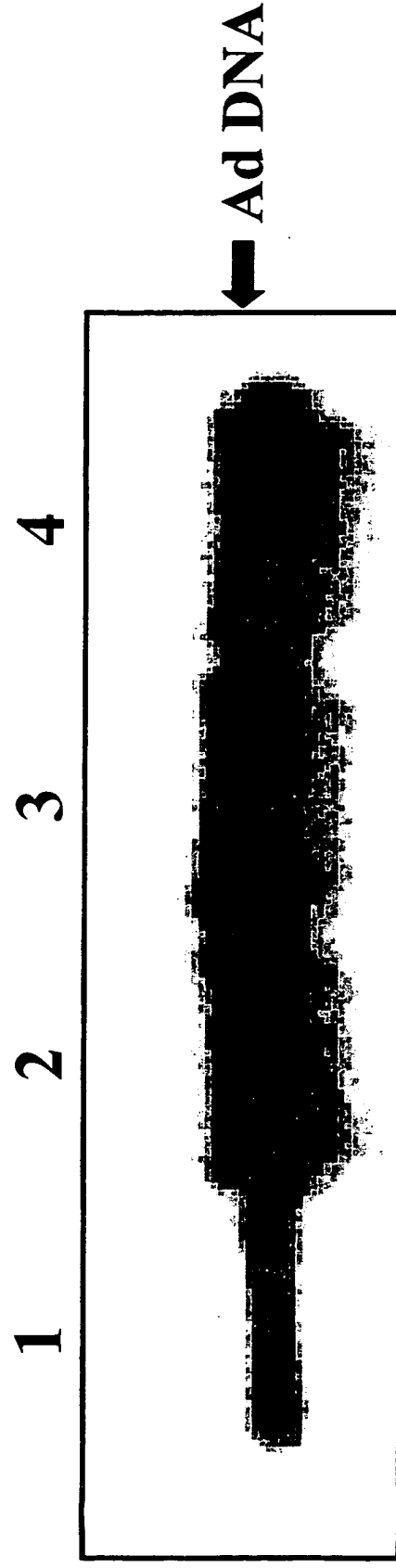
**Fig. 19**



**Southern Blot Analysis**

U373 cells infected with 10 pfu dl520/cell  
after incubation for 24 hours with  
increasing concentrations of Trichostatin

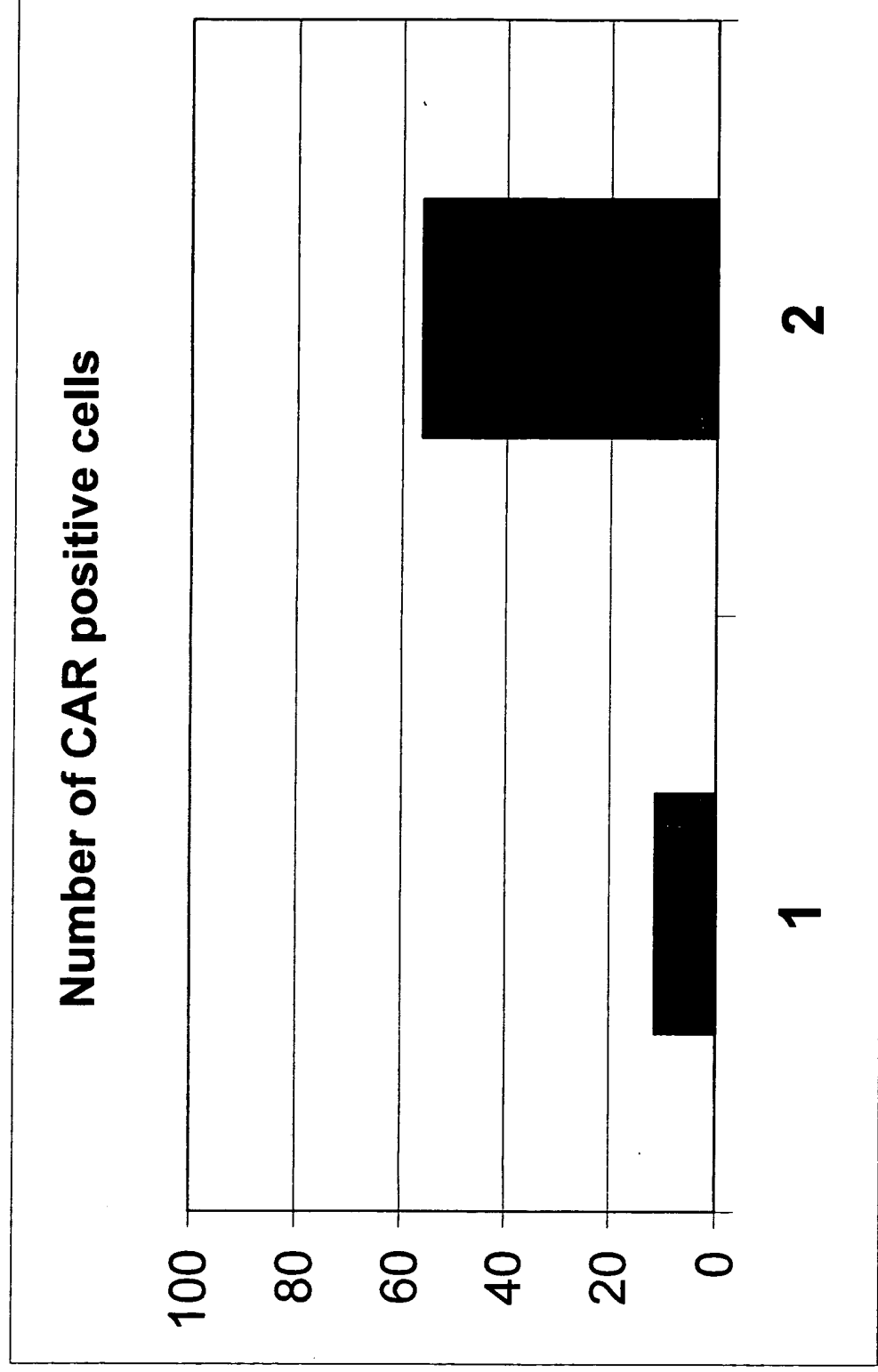
Fig. 20



Southern Blot Analysis

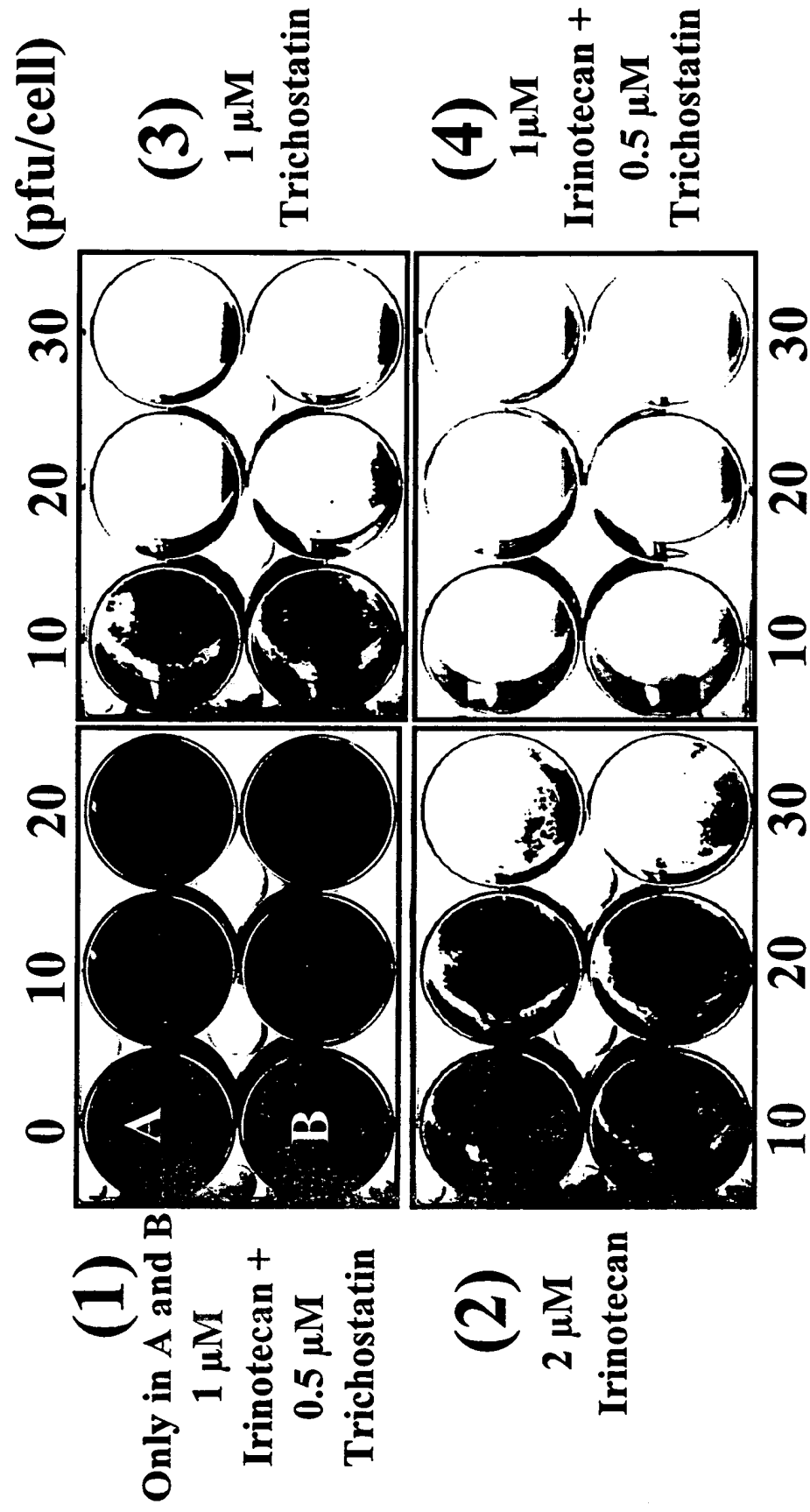
**FACS analysis: CAR expression of U373 cells  
after incubation with Trichostatin for 24 hours**

**Fig. 21**



# **Oncolytic effect of dl520 in U373 cells in combination with Irinotecan and Trichostatin**

**Fig. 22**



**Fig. 23**

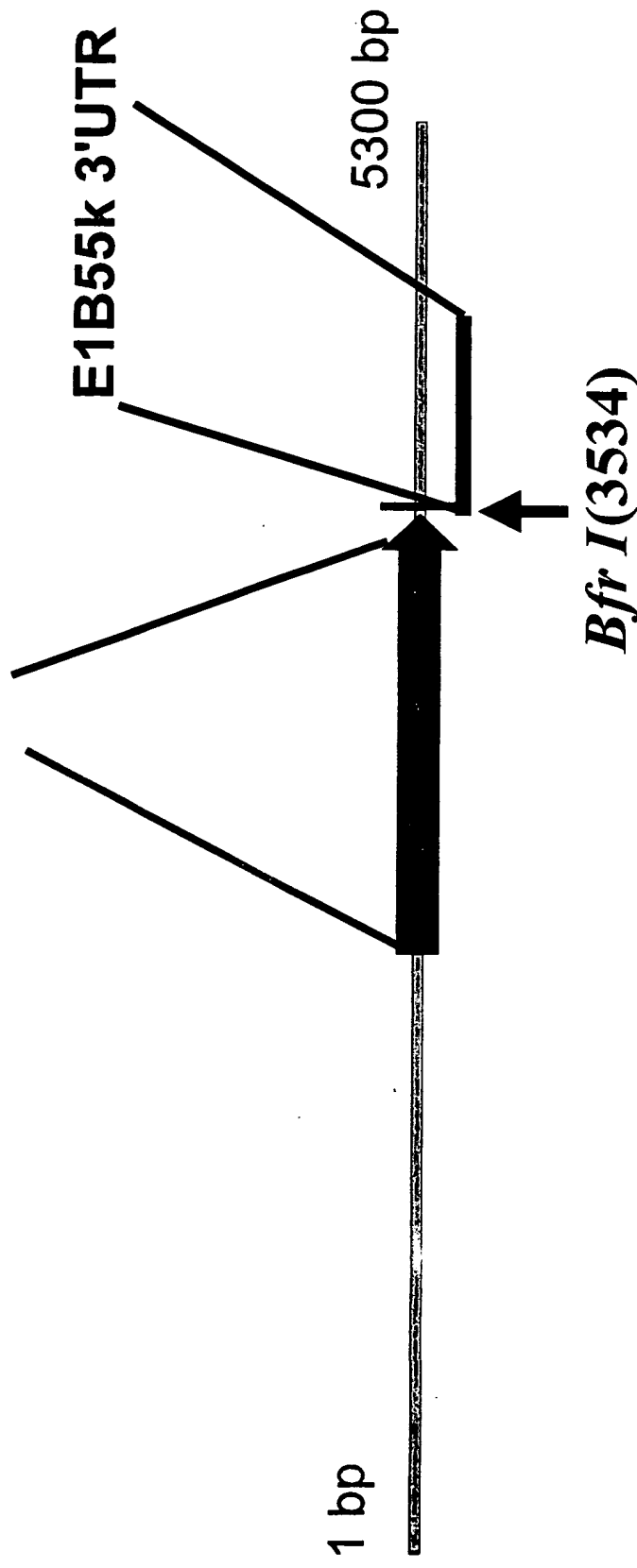
**E1B55k region:**

**ORF = 2019 – 3506 bp**

***Bfr*I – cleavage site = 3534 bp**

**3'UTR = 3507 – 4107 bp**

**E1B55k ORF**





**Fig. 24**

5'tgaggtaactggtgtggcggtggcctaagggtgggaaagaatatataag  
gtgggggtcttatgtagttttgtatctgttttcagcagccgcgcgcctatgagc  
accactcgtttgatggaagcattgtgagctcatattgacaacgcgcgcctccc  
catggccgggtgcgtcagaatgtgatgggtccagcattgatggtcgcccc  
gtcctgcccgcaactctactaccttgacctacgagaccgtgtcttggaacgccg  
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tcacccgcgcgatgacaagttgacggctcttttggcacaattggattcttgac  
ccgggaacttaatgtcgtttctcagcagctgttggtatctgcgcagcaggttctg  
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actctgtttggattggatcaagcaagtgctgtcttattaggggtttgc